

FEYZULLAYEV, N.A.

*Helminths of gressorial birds of Azerbaijan as related to ecologic factors. Trudy Inst. zool. AN Azerb. SSR 24:109-127 '65.*

(MIRA 18:5)

KASIMOV, G.B.; VAIDOVA, S.M.; BEYZULLAYEV, N.V.

New trematode species *Concinnum talischensis* nov.sp.  
(Dicrocoeliidae) from the liver of the marsh harrier (*Circus aeruginosus* L.) in Azerbaijan. Dokl.AN Azerb.SSR 15 no.11:  
1057-1059 '59. (MIRA 13:4)

1. Institut zoologii AN AzerSSR.  
(Parasites--Harriers) (Liver fluke)

FEZEL' BAUM, V., inshener.

Required properties of asbestos cement products. Stroi. mat. 3 no.3:35-  
36 Mr '57.  
(Asbestos cement) (MLRA 10;4)

LENGYEL, Sandor, prof., dr. (Budapest, VIII., Muzeum korut 6-8);  
FEZLER, Gyula (Budapest, VIII., Muzeum korut 6-8)

Studies on the structure of aqueous solutions containing two  
electrolytes by density determinations. Acta chimica Hung 37  
no.3:319-327 '63.

1. Department of Physical Chemistry and Radiology, Lorand  
Eotvos University, Budapest. 2. Editorial board member,  
"Acta Chimica Academiae Scientiarum Hungaricarum" (for Lengyel).

LENGYEL, Sandor; FEZLER, Gyula

Density determination of aqueous solutions containing two electrolytes  
for structural studies. Magy. kem. folyoir 69 no.3:128-131 Mr '63.

1. Eotvos Lorand Tudomanyegyetem Fizikai-Kemiai es Radiologial Tanszeke;  
Elektrokemial Akademial Kutato Csoport. 2. "Magyar Kemial Folyoirat"  
szerkeszto bizottsagi tagja (for Lengyel).

SAZONOV, Z.K., inzh.; FEZI-ZHILINSKAYA, M.S., inzh.; SHAKARYAN, Yu.G., inzh.

Static stability of an asynchronous synchronous machine.  
Vest. elektroprom. 33 no.5:48-52 My '62. (MIRA 15:5)  
(Electric generator)

FIALA, A.

"Our Viticulture and Wine." p. 186. (VYZIVA LIDU, Vol. 8, no. 12, Dec. 1953, Praha,  
Czechoslovakia)

So: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

CIGANEK, Mojmir, prof. inz. DrSc.; FIALA, Adolf, inz. CSc.

Semiasssembled circular water reservoirs. Inz. stavby 12  
no.1:14-21 Ja'64.

1. Vysoke ucenii technicke, Brno.

FIALA, Adolf, inz. CSc.

Use of plastics for reducing friction losses in prestressed  
constructions. Inz stavby 12 no.10:451-453 O '64.

1. Chair of Concrete Constructions and Bridges, Higher School  
of Technology, Brno.

*Protective coatings*

S FINLA, A

**Electrographic Non-Destructive Identification of Metallic Materials.** A. Fiala. *Strojarske*, 1951, 1, May, 169. [In Czech.] A simple method of identifying plated coatings and welding electrodes is described. It is based on forming a cell with the metal to be identified as anode, an aluminum cathode, and a filter paper soaked with a suitable chemical as the electrolyte. R. V. W.

*Properties of the state of porosity of aluminum and its alloys.* By V. I. Kostylev and A. M. Slobodtseva (Sov. Pat. No. 1,000,000). The authors review the distribution of pores in aluminum and its alloys, and describe the method for the determination of the m.p. of Al in pure Al and its alloys. The m.p. of Al and its alloys is in the form of  $Al_{11}H$ , and on the surface of the metal in the form of  $Al(H_3O)_2$ . At high temp., the following reaction takes place:  $2 Al(H_3O)_2 \rightarrow 2 Al + 2 Al(OH)_3 + 3 H_2$ , and  $2 AlH \rightarrow 2 Al + H_2$ . The reaction takes place not only above the m.p. of the metal but also during cooling and solidification; entrapping of gas bubbles in casting is the cause of gas inhomogeneity. Determination of the m.p. of Al at 99.5% purity gave in a typical example the following results: at  $20^{\circ}$ , 1.6; at  $300^{\circ}$ , 3.9; at  $400^{\circ}$ , 1.2; at  $400^{\circ}$ , 3.6; at  $500^{\circ}$ , 10.1; and at  $700^{\circ}$ , 11.5. (See Fig. 1.) (U.S.P. 3,170,730 g. Al. Invent. J. Houdet.)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413010006-6"

F 16A, A.

CECH

2  
Mechanical and Physical Properties of Titanium-Stabilized  
Alnico 5 Ni Steels. Z. Flájšer, A. Hlubík and J. Šíma

Hataček L et al, 1954, 9, (8), 514-523. [In Czech]. Results  
of research on the effect of titanium additions to 18/8 Cr-Ni  
steels are reported, with special reference to inhibiting inter-  
crystalline corrosion, and to the mechanical and magnetic  
properties. The state of the Titanium in the metal and its  
reactions with carbon are considered. "Tinets" but not  
"harmožet" titanium corrosion is reduced by titanium additions,  
on the other hand, the addition makes the steelmaking more  
complex. *OF*

HG

FJALA, A.

Discussion of A. Fjala and Z. Tolarova's article "Hydrogen as a Cause of the Porosity of Aluminum and Its Alloys." p. 116, SLEVARENSTVI (Ministerstvo strojírenství a Ministerstvo hutního průmyslu a rudných dolů) Praha, Vol. 3, No. 4, Apr. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1955

FIALA, A.

Difficulties in precisely determining low aluminum content in steel.  
p. 417. HUTNICKE LISTY. Brno. Vol. 10, no. 7, July 1955.

SOURCE: East European Acquisitions List (EEAL), LC, Vol. 5, no. 3, March 1956.

PIALA, A.

"Sampling of liquid steel for study of inclusions."

HUTNICKE LINTY, Brno, Czechoslovakia, Vol. 1h, No. 5, May 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

CZECH/34-59-5-4/19

AUTHORS: Kinsky, F., Ing.Dr. and Fiala, A. Ing.

TITLE: Development of the Metallurgy of Acidic Smelting in the Manufacture of High Grade Steels in the Steelworks of the V. I. Lenin Works, Pilsen (Vývoj metalurgie kyseleho tavení při výrobě náročných značek ocelí v ocelárně Závodu V. I. Lenina, Plzeň)

PERIODICAL: Hutnické Listy, 1959, Nr 5, pp 394-405 (Czechoslovakia)

ABSTRACT: Before the war smelting with Si-reduction was effected in Czechoslovakia under slags which were rich in MnO (above 30%) and the steel bath in the acid furnace was processed solely by using a reduction carbon boil. The task of manganese as a regulator of the oxygen content in the steel and its influence on reducing again silicon was over estimated. However, the high content of MnO in the slag and its insolubility in the steel was successfully utilised to suppress secondary oxidation of the reduced silicon and to exclude the slag from the reactions in the furnace during the period of intensive reduction of silicon with carbon. From 1953 onwards, in cooperation with the Soviet metallurgist Badyagin (Ref 3),

Card 1/3 the silicon reduction process has been considerably ✓

CZECH/34-59-5-4/19

Development of the Metallurgy of Acidic Smelting in the  
Manufacture of High Grade Steels in the Steelworks of the  
V. I. Lenin Works, Pilsen

intensified and at present this process is characterized by the following features: duplex (100%) liquid charge; smelting under slags containing less than 25% MnO; working of the steel bath by an oxidation carbon boil followed by a reduction boil. In this very detailed paper the authors report the effect of the introduced changes as regards the manganese content and the character of the carbon boil on the speed of reverse reduction of silicon, on the oxygen content, on the oxide inclusion and on the contents of H<sub>2</sub> and N<sub>2</sub> in the steel. Data are given of some cases which show clearly the qualitative improvement in the steel produced by means of the intensified silicon reduction process which has been in use since 1953. From 1956 onwards the Works have changed over from increasing slowly the manganese content during the reduction boil by repeated small additions of FeMn to using a single addition of FeMn at the end of the smelting in order to

Card 2/3

CZECH/34-59-5-4/19

Development of the Metallurgy of Acidic Smelting in the  
Manufacture of High Grade Steels in the Steelworks of the  
V. I. Lenin Works, Pilsen

increase the fluidisation of the silicon oxides which  
saturate the bath during the reduction boil. A further  
change has been introduced in the method of alloying,  
namely, alloying additions are added into the acidically  
lined furnace at the very beginning of the smelting  
before pouring in the pre-melted liquid steel. The  
here described new method of producing alloy steels  
brings about an improvement of its internal  
quality and also permits the use of the cheapest grades  
of high carbon and blast furnace FeCr for the manufacture  
of chromium steels.

There are 8 figures, 16 tables and 25 references,  
15 of which are Czech, 5 Soviet, 4 German, 1 English.

ASSOCIATION: Závody V. I. Lenina, Plzeň (V. I. Lenin Works, Pilsen)

SUBMITTED: February 7, 1959

✓

Card 3/3

AUTHORS: Fiala, A., Ing. and Štádler, V. CZECH/34-59-5-17/19

TITLE: Analytical Determination of Combined Sulphur in Steel  
(Analytické určení vazby síry v oceli)

PERIODICAL: Hutnické Listy, 1959, Nr 5, pp 462-464 (Czechoslovakia)

ABSTRACT: A working method is described for determining the sulphur which is combined with iron and manganese in various types of steels, which yields acceptable results. The method is based on micro-analytical determination of the sulphur in the isolated substance obtained by electrolytic dissolution of steel specimens in a neutral electrolyte. In addition to enabling evaluation of the chemical composition, this method also permits determining the total quantity of sulphides in steel specimens taken during smelting and casting of the steel. Fig 2 shows a sketch of the instrument used. Some of the results obtained are entered in Tables 1 and 2, p 463. There are 2 figures, 2 tables and 2 references, 1 of which is Czech, 1 German.

ASSOCIATION: Závody V. I. Lenina, Plzeň (V. I. Lenin Works, Pilsen)

Card 1/1

FIALA, Alois

Pressure castings with sealed parts. Slevarenstvi 10  
no. 3:113-114 Mr '62.

1. Automobilove zavody, narodni podnik, Mlada Boleslav.

Z/034/62/000/008/003/004  
E073/E335

AUTHOR: Fiala, A., Engineer

TITLE: New method of taking samples from liquid vacuum-treated steel to determine the content of atomic hydrogen and of oxide inclusions by means of a submerged probe

PERIODICAL: Hurnické listy, no. 8, 1962, 581 - 582

TEXT: A simple sampling device was developed for sampling vacuum-treated steel, consisting of a U-shaped quartz tube, which can be non-transparent, of 10 mm inner diameter, stuck by means of a mixture of magnesite powder and waterglass to an iron tube of a satisfactory length (up to 3 m), the other end of which carries a gas-tight cock for opening or closing the sampling device. The process of sampling the liquid vacuum-treated steel was verified by model tests since, after terminating the vacuum treatment, the vacuum-treated steel becomes mixed with nonvacuum-treated steel. During the tests the region of vacuum-treated steel was clearly delimited from the nonvacuum-treated one (in the ingot head) by colouring red the test solution, and leaving uncoloured the bottom layer, which was

Card 1/4 3

Z/034/62/000/008/003/004  
E073/E335

New method of ....

considered as being vacuum-treated. During the passage of the Sampling device through the 'red' zone, in which the vacuum- and nonvacuum-treated steels were mixed, the cock of the sampling tube was closed so that the air pressure in the tube prevented entry of the liquid into the tube. After reaching the non-coloured zone the cock was quickly opened, to admit the liquid sample, and then again quickly closed. Thus, it was ensured that only vacuum-treated steel was sampled. The results of the model test were utilized in practice and it was found that the quartz tube filled up satisfactorily with vacuum-treated steel only when the sampling device reached the body of the ingot. The required depth of submersion can be marked by a stop on the steel tube. By this method samples can be taken from vacuum-cast ingots from a depth of 1.5, 1.2, 0.9, 0.7 and 0.5 m from the surface of the steel. Table 2 shows a comparison of the quantity of hydrogen determined from specimens cast into chill moulds and from specimens taken with this sampling device. On the basis of the results the following procedure was developed: the hydrogen content of the non-vacuum-treated steel is determined from

Card 2/4 3

New method of ....

Z/034/62/000/008/003/004  
E073/E335

a specimen cast into a tool mould after teeming about half the content of the steel from the ladle, whilst the hydrogen content of the vacuum-treated steel is determined from a specimen taken from the body of the ingot with the described quartz-tube sampling device after terminating the vacuum treatment. A similar process of sampling the vacuum-treated steel was described by J.H. Stoll (Blast Furnace and Steel Plant, no. 6, 1958, 541-343). There are 4 figures and 3 tables.

ASSOCIATION: Výzkumný a zkušební ústav ZVIL, Plzeň  
(Research and Test Institute of ZVIL, Pilsen)

Card 3/17

FIALA, A., inz.

Experience with vacuum treatment of steel outside the smelting furnace. Hut liaty 17 no.5:305-311 My '62.

1. Vyzkumny a zkusebni ustav, Zavody V.I. Lenina, Plzen.

FIALA, A., inz.

A new method of sampling the molten vacuum steel for determining the content of atomic hydrogen and oxide inclusions by means of a dipping probe. Hut listy 17 no.8:581-582 Ag '62.

1. Vyzkumny a zkusebni ustav, Zavody V.I.Lenina, Plzen.

HAJDUK, Milan, inz.; FIALA, Antonin

Breaking pieces for rolling mills. Hut listy 16 no.8:539-545  
Ag '61.

1. Vitkovice zelezarny Klementa Gottwalda, Vysoke ustecky  
merici a ridici techniky, Ostrava.

CZECHOSLOVAKIA

PIALA, B.

Stomatological Clinic of the Medical Faculty JU  
(Stomatologicka klinika lekarske fakulty JU),  
Olomouc

rranc, Ceskoslovenska stomatologie, No 4, 1963, pp 230-  
235

"Reliability of Stomatological Records with Regards to  
Identification."

KALAB, Radomil, inz.; PARIZEK, Otto; BILIKOVA, Marie; FIALA, Bohuslav

Corrugated prefabricates from reinforced concrete. Poz stavby  
11 no.4:191-195 '63.

1. Zemedelsky stavebne technicky rozvoj, Brno.

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CIA-RDP86-00513R000413010006-6"

EXCERPTA MEDICA Sec.12 Vo.11/6 Ophthalmology June 57

1035. FIALA Em. Očný Odd. Pediat. Větve Lek. Fak., Brno. \*Blesková katarakta.

Lightning cataract CSL. OFTHAL. 1956, 12/6 (449-450)

Report on a case, in which cataract appeared 6 days after a discharge of lightning 2 m. from the patient, who was knocked to the floor, lost consciousness for a short time, but otherwise was not injured. Vacuolation and opacities appeared first in the superficial layers of the anterior cortex and 6 weeks later in the posterior cortex. The cataract has a very slow progress. It is suggested that cataract is a direct sequela of injury to the lens by electric discharge.

Zahn - Prague

BIRO, L.; SZEKELY, A.; FIALA, E.

Simple method for bacterial sensitivity investigation with  
durable prefabricated antibiotic filter paper. Orv. hetil..  
Budap. 92-46:1497-1499 18 Nov. 1951. (CLML 21:3)

1. Doctors. 2. Internal Department (Head Physician — Prof.  
-Dr. Laszlo Biro), Kutvolgyi-uti State Hospital.

POLICZER, M.; FENYVESI, J.; SZEKELY, A.; SOLYMAR, J.; FIALA, E.; FOLDES, J.

Sleep therapy in hypertension. Orv. hetil. 93 no. 47:1340-1344 23  
Nov 1952.  
(CIML 24:1)

1. Doctors.

SOLYMAR, J.; FIALA, E.

Sleep therapy. Orv. hetil. 93 no. 47:1336-1339 23 Nov 1952.  
(CIML 24:1)

1. Doctors.

FIALA, Ervin, dr.,; MIKE, Terezia, dr.

The role of adrenal hormones in the regulation of blood pressure; review of the literature. Orv. hetil. 97 no.21:561-569 20 May 56.

1. A Kutvolgyi uti Allami korhaz (igaz. Hanosok Mariusz dr.) Belosztalyanak (foorvos; Policzer Miklos dr az orvost. kand. ) kozl.

(ADRENAL GLANDS, hormones  
role in blood pressure regulation, review (Hun))  
(BLOOD PRESSURE, physiol.  
regulation, role of adrenal hormones, review (Hun))

FIALA, Ervin, dr.; BALASSA, Maria, dr.

First experiences with the new oral antidiabetic invenol.  
Orv. hetil. 98 no.21:554-555 26 May 57.

1. A Kutvolgyi uti Allami Korhaz (igargato-foorvos: Hancsok, Mariusz,  
dr.) Belosztalyanak (foorvos: Policsar, Miklos, dr., az  
orvostudomanyok kandidatusa) kozlemenye.

(DIABETES MELLITUS, ther.

carbutamide (Hun))

(UREA, related cpds.

carbutamide ther. of diabetes mellitus (Hun))

(SULFANILAMIDE, related cpds.

same)

MIKE, Terezia, Dr.; FIAIA, Ervin, Dr.

Common development of hypertension and adrenal insufficiency in connection with tuberculosis. Orv. hetil. 98 no.48:1333-1336  
1 Dec 57.

1. A Kutvolgyi uti Allami Korhaz (igazgato-foorvos: Fenyvesi Jozsef dr.) belosztalyanak (foorvos: Policzer Miklos dr. az okostudomanyok kandidatusa) kozlemenye.

(TUBERCULOSIS, RENAL, compl.

hypertension & adrenal insuff. in renal & adrenal tuberc., case report (Hun))

(TUBERCULOSIS, ENDOCRINE, compl.

adrenal insuff. & hypertension in adrenal & renal tuberc., case report (Hun))

(HYPERTENSION, etiol. & pathogen.

renal & adrenal tuberc. with adrenal insuff., case report (Hun))

(ADRENAL GLANDS, dis.

insuff. in adrenal & renal tuberc. & hypertension, case report (Hun))

MIKE,Terezia, dr.; POLICZER,Miklos,dr.; PIALA,Arvin,dr.; BALASSA,Maria,dr.

Thyroid function tests in hypertension and peptic ulcer. Orv.  
hetil. 101 no.14:482-484 3 Ap '60.

1. Kozponti Allami Korhaz i. Belosztaly.  
(THYROID GLAND physiol.)  
(HYPERTENSION physiol. )  
(PEPTIC ULCER physiol.)

PIALA, Ervin, dr.; POLICZER, Miklos, dr.; MIKE, Terezia, dr.; BALASSA, MARIA, dr.

Comparative biological evaluation of function tests of the thyroid gland. Magy.belorv.arch. 13 no.3:78-84 Jl '60.

1. A Korponti Allami Koszaz (Kutvolgyi ut 4.) (Igazgato-foorvos: Fenyvesi Jozsef dr.) I. sz.belsztyalyanak (Foorvos: Policzer Miklos dr. az orvostudomanyok kandidatusa) koszlemenye (THYROID GLAND physiol)

DLUKOSOVA, Olga; FIALA, Emil

Clinical aspects of cataract in children. Cesk. ofth. 16 no.6:  
329-332 S '60.

1. Ocení oddelení Krajské dětské nemocnice v Brně, prednosta doc.  
dr. Ota Gottwald.  
(CATARACT in inf. & child)

BALASSA, Maria, dr.; POLICZER, Miklos, dr.; FIALA, Ervin, dr.; MIKE,  
Terezia, dr.; TARI, Laszlo; VASVARI, Gabor

Radioiodine thyroid function test with the aid of the organic  
phosphorus scintillator and GM tube. Magb radiol. 12 no.4:240-  
244 N '60.

1. A Kozponti Allami Korhaz es a MTA Kosp. Kemial Kutato Intezetenek  
kozse koslemenye.

(THYROID GLAND physiol)  
(IODINE radioactive)  
(RADIOMETRY)

KOZOUSEK, V.; FIALA, E.

Artificial aniseikomia as a new possible preventive and therapeutic factor in amblyopia ex anopsia. Activ. nerv. sup. 4 no.2:159-160 '62.

1. Ocní klinika lekarske fakulty University J. E. Purkyne v Brne,  
Krajska detska nemocnice v Brne.

(AMBYLOPIA ther) (REFRACTIVE ERRORS)

KOZOUSEK, Vladimir; FIALA, Emil

Artificial aniseikonia, artificial anisometropia and new possibilities  
for prevention and therapy of amblyopia ex anopsia in childhood.  
Cesk. oftal. 18 no.4:288-292 Jl '62.

1. Oční klinika University J. E. Purkyne v Brně, prednosta prof. dr  
J. Vanysek, DrSc.

(AMBLYOPIA)

KOZOUSEK, V.; FIALA, E.

Artificial aniseikonia, arteficial anisometropia and new possibilities  
of prevention and therapy of amblyopia ex anopsia in childhood.  
Scr. med. fac. med. Brunen. 35 no.3:77-80 '62.

1. Ocní klinika lekarske fakulty university J.E. Purkyne Prednosta:  
prof. dr. Sc. Jan Vanysek.

(AMBYLOPIA prev & control) (VISUAL PERCEPTION in inf & child)  
(REFRACTIVE ERRORS in inf & child)

FIALA, F.

Economic production of stave patterns and core boxes, p. 72,  
SLEVARENSTVI (Ministerstvo strojirenstvi a Ministerstvo  
hutniho prumyslu a rudnych dolu) Praha, Vol. 3, No. 3, Mar. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 4, No. 12, December 1956

ZBANEK, Karel; FIALA, Frantisek

Seminar on PVC treatment by high-frequency heating and on  
PVC casting in the bagmaking industry. Kozarstvi 13 no.4:  
123-125 Ap '63.

1. Zavody A. Zapotockeho, n.p., Jaromer.

10

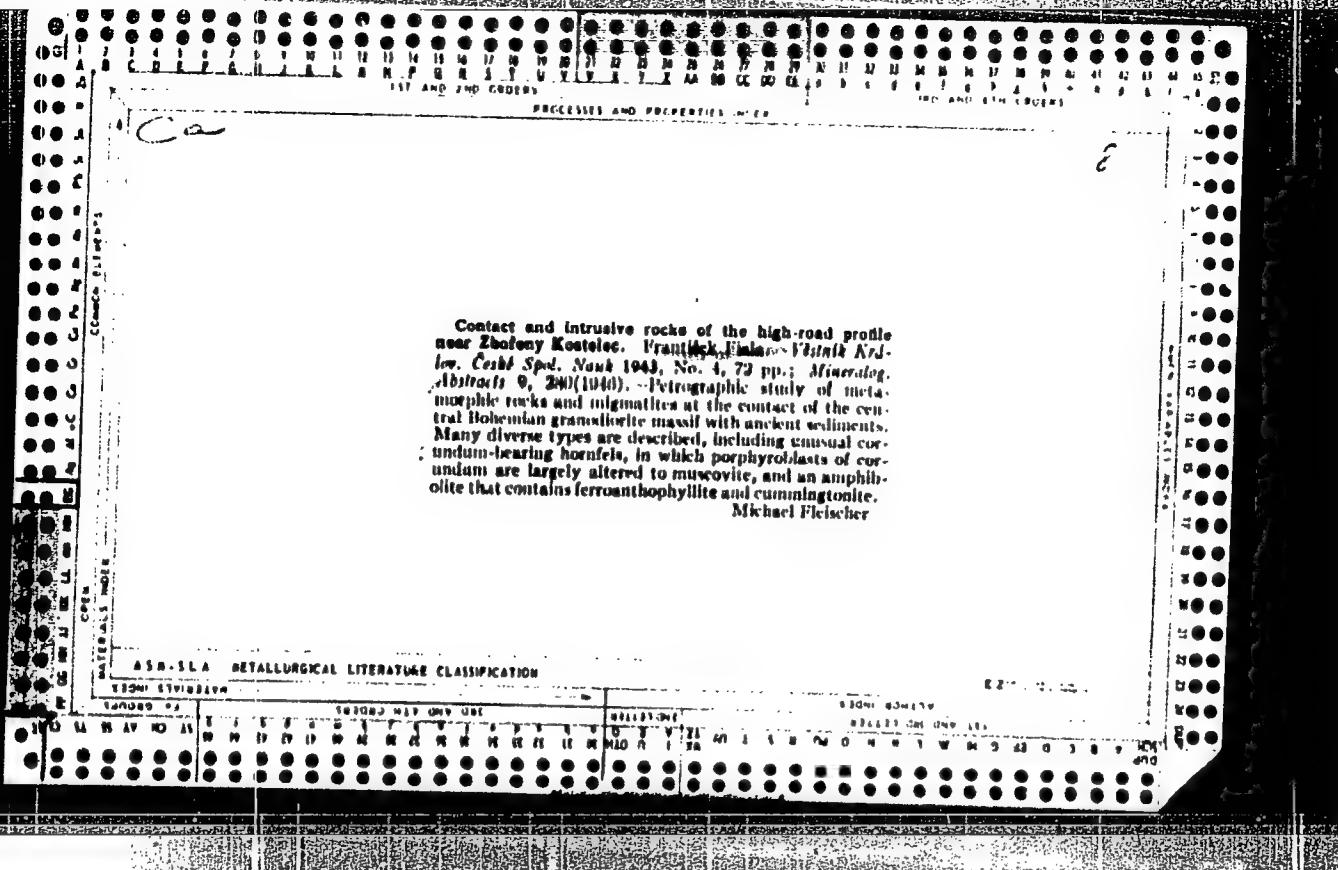
**FIALA (F.).** Zpráva o škodlivých činitelích a kultivních rostlin na východě Slovenska a Podkarpatské Rusi v hospodářském r. 1937-1938. [Report on diseases and pests of cultivated plants in eastern Slovakia and Carpathian Ruthenia in the agricultural year 1937-1938.] — *Ochr. Rost.*, xv, 2, pp. 23-36, 1939. [German summary.]

This is an account of pests and diseases of economic crops in the Czechoslovakian districts of eastern Slovakia and Carpathian Ruthenia during 1937-8.

## **830.514 METALLURGICAL LITERATURE CLASSIFICATION**

**APPROVED FOR RELEASE: 06/13/2000**

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CA

8

✓ Celestite from Kallroh, Bruntálk, Česká republika.  
Varod, Muzeum (Praha) 115, 47-32119 (Muzeum summary).  
Celestite occurs in nodules in diabase, surrounded by successive zones of calcite, quartz, and celestite.  
Michael Fleischer

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CIA-RDP86-00513R000413010006-6"

P.D.  
S.D.

Characteristics

Partition of wool and simultaneously obtaining (therefrom) fatty acid and other substances. F. Fiala (B.P. 675,060, 23.8.48; Czechoslov., 31.7.48).—The wool is treated with nitrated kerosene in an apparatus which is figured and claimed. F. R. Harrop.

24

8

Kryolithite and annabergite at Krupka, Czechoslovakia  
Pravdický, Mala (Museum, Prague, Czechoslovakia)  
Varodolská Místa (Práha) 117, 19-25 (1948) (French sum-  
mary). - These arsenates of Cu and Ni were found in its  
boulders, associated with quartz and cassiterite. M. Fleischer

CA

8

Axinite in spilitic of Kalinova near Zvilkovce. Frantisek  
Fiala. (Museum, Prague, Czech.). Casopis Národního

Muzea (Praha) 117, 16-18(1948)(French summary).—A  
vein of quartz and axinite cuts spilitic rocks. This association  
was previously unknown in Czechoslovakia except for Silurian  
dikes. Michael Fleischer

c A

F

The teschenite from Buděany and some other alkalic  
dioritic rocks of the Silurian of central Bohemia. František  
Fláha (Natl. Museum, Prague, Czech.) and Rudolf "Rudi"  
Nordt. *Nauč. Muzs. v Praze* 5B, No. 8, 1-43 (1949)  
(in French 14-43); cf. *C.A.* 42, 5385c.—Petrographic  
study, with 5 chem. analyses of rocks. The teschenite  
contains analcime, believed to be of magmatic origin.

Michael Fleischer

68  
8

"Diabase and weiburgite rocks of the lower Ordovician at Chynava, Františekovice (Natl. Museum, Prague, Czech.). Skalní Vulkánské Materiály 7B, No. 4, 1-32 (1931) (in English). - A petrographic study, with 2 chem. analyses, of diabases, diabase tuffs, and allure porphyries. The material was probably intruded at low temps. and with a high content of volatiles.  
Michael Fletcher

KHALA, FRANTISEK

H.  
Diabase rocks of the Ordovician at Kafizek, František  
Kral (Natl. Museum, Prague, Czech.). *Sbornik Československé  
Videnské Geol.* 18, 63-143 (1931) (French summary); cf.  
*C.A.* 46, 6050c.—The diabase magma has undergone a  
differentiation at depth resulting in a lighter fraction rich in  
Al and alkaliies, particularly K, and poor in Ca. Differentia-  
tion has led to Fe enrichment which is evident in  
chloritic amygdale fillings and interstitial material in granu-  
lated rocks.  
Gerald M. Friedman

6E  
MAT

FIALA, FRANTISEK

Fiala, Frantisek "Cartograficke zobrazeni (Vyd. 2. prepracovane) Praha, Statni pedagogicke nakl., 1952. 240 p. (Uceni texty vysokych skol) (Cartographic projection. Sobl., diagrs.)

SO: Monthly List of East European Accessions, LC, Vol 3. No. 1 Jan '54 uncl.

Mineralogical &  
geochemical Chemistry

geology  
(2)

Alkali basalts (basanitoids) from Tekovská Breznica and  
Brehy near Nová Bana in Slovakia. František Fiala (Mu-  
seum Národní, Prague). *Sborník národ. Muzea v Praze* 8B, No.  
8, 1-31 (1952) (in English 10-40).—Petrographic study of  
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L 44627-66 EWP(j) JW/RM

ACC NR: AP6033248

SOURCE CODE: CZ/0043/66/000/C02/0097/0104

AUTHOR: Stehlík, Blahoslav--Steglik, B. (Professor; Doctor; Brno); Fiala, František  
(Graduate chemist; Brno)ORG: Department of Theoretical and Physical Chemistry, J. E. Purkyne University,<sup>17</sup>  
Brno (Katedra teoreticke a fyzikalni chemie University J. E. Purkyne)<sup>B</sup>TITLE: Kinetics of ethanol<sup>1</sup> and methanol<sup>1</sup> oxidation<sup>1</sup> by peroxydisulfate catalyzed by  
silver ions

SOURCE: Chemické zvesti, no. 2, 1966, 97-104

TOPIC TAGS: oxidation, ethanol, methanol

ABSTRACT:  
of methanol oxidation corresponds to the equation:

$$-\frac{d}{dt} \left[ S_2 O_8^{2-} \right] = (78 \pm 1) \left[ S_2 O_8^{2-} \right] \left[ Ag^+ \right] M \cdot min^{-1}$$

and the oxidation of ethanol to:

$$-\frac{d}{dt} \left[ S_2 O_8^{2-} \right] = (2.9 \pm 0.1) \left[ S_2 O_8^{2-} \right] \left( \left[ Ag^+ \right] / \left[ CH_3OH \right] \right)^{1/2} M \cdot min^{-1}$$

with an activation energy of  $8 \pm 1$  or  $7.5 \pm 1$  kcal mol<sup>-1</sup> respectively.A chain mechanism for both the rate laws is discussed. Orig. art. has: 3 figures,  
14 formulas and 2 tables. [Based on authors' Eng. abstr.] [JPRS: 36,002]

SUB CODE: 07 / SUBM DATE: 24 May 65 / OTH REF: 004

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(CELL DIVISION,

bact., phase contrast microkinematography)  
(BACTERIA,

cell division, phase contrast microkinematography)

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(BLOOD—COLLECTION AND PRESERVATION)

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Increased Productivity in Steel Foundations Resulting from  
the Use of Rapidly Drying Gypsum-Based Mortars  
S. A. Miller, Jr., et al.

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FIALA, JAN

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: /not given/

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(BLOOD BANKS

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Fischer, Jaroslav

3  
0  
8

2

*(Signature)* Dehydrating aqueous acetic acid. Jaroslav Fischer and Tomáš Ždichýne. Czech. 84.833, Oct. 2, 1903. On boiling 160 parts  $\text{MgCl}_2\text{Ac}_2$  with 93.5 parts of 50% AcOH in the presence of  $\text{H}_2\text{SO}_4$  there is obtained unhyd. AcOH in quant. yields which is sepd. by distn. Vapors of AcOH are recovered.

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